

James Rodger Fleming

Science, Technology, and Society Program
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CURRENT AFFILIATION

Charles A. Dana Professor and Director of Science, Technology, and Society, Colby College

EDUCATION

Princeton University, Ph.D. History, 1988; M.A. History, 1984
Colorado State University, M.S. Atmospheric Science, 1973
Pennsylvania State University, B.S. Astronomy, 1971

ACADEMIC AWARDS, HONORS

Eduard Brückner Prize 2015 for interdisciplinary climate research
American Association for the Advancement of Science (AAAS), Fellow
American Meteorological Society, Fellow
International Commission on the History of Meteorology (ICHM), Founder and first President, 2000-05.
Colorado State University Department of Atmospheric Science Distinguished Alumnus Award, 2015
Sigma Xi Distinguished Lecturer, 2013-14
Society for the History of Technology, Sally Hacker Book Prize, 2011
American Meteorological Society, Louis J. Battan Author's Award, 2011

VISITING APPOINTMENTS AND FELLOWSHIPS

Smithsonian Institution Research Associate, 2016-19
Stockholm University, International Meteorological Institute, Visiting Researcher, 2015
Columbia University, Visiting Lecturer in History, 2013 and Research Scholar, 2013-15
University of Vienna, Principal Lecturer, "Climate Studies," 2013
Woods Hole Oceanographic Institute, H. Burr Steinbach Visiting Scholar, 2011
Chemical Heritage Foundation, Gordon Cain Conference Fellow, 2010-11
Woodrow Wilson International Center for Scholars, Public Policy Scholar, 2006-07
AAAS, Roger Revelle Fellowship in Global Stewardship, 2006-07
U.S. National Academy of Sciences, Visiting Scholar, 2006-07
National Air and Space Museum, Charles A. Lindbergh Chair in Aerospace History, 2005-06
NSF Scholar's Award, "Carbon Dioxide Theory of Climate Change," 2001-05
Harvard University, Visiting Scholar, History of Science, 1999-2000
Massachusetts Institute of Technology, Visiting Scholar, STS Program, 1992-94
National Endowment for the Humanities Sabbatical Fellowship, 1992-93
Yale University, Frederick W. Beinecke Fellow, 1992
American Philosophical Society Library, Mellon Fellow, 1991
Smithsonian Institution, Fellow, Joseph Henry Papers, 1985-87

EDITORIAL

Series Editor, *Palgrave Studies in the History of Science and Technology*
History Editor, American Meteorological Society Books and Bulletin
Editorial Advisory Board, *Endeavour*

BOOKS

Inventing Atmospheric Science: Bjerknes, Rossby, Wexler, and the Foundations of Modern Meteorology.
Cambridge, MA: MIT Press, 2016.
Fixing the Sky: The Checkered History of Weather and Climate Control. New York: Columbia University
Press, 2010. Japanese edition, Shinobu Onizawa, transl. Tokyo: Kinokunya, 2012.
The Callendar Effect. Boston: AMS Books, 2007.
Historical Perspectives on Climate Change. New York: Oxford University Press, 1998.

Meteorology in America, 1800-1870. Baltimore: Johns Hopkins University Press, 1990.

EDITIONS

- U.S. National Research Council. *Climate Intervention: Reflecting Sunlight to Cool the Earth and Climate Intervention: Carbon Dioxide Removal and Reliable Storage*. Washington, DC: National Academy of Sciences, 2015. <http://nas-sites.org/americasclimatechoices/other-reports-on-climate-change/2015-2/climate-intervention-reports/>
- Toxic Airs: Body, Place, Planet in Historical Perspective*, James Rodger Fleming and Ann Johnson, eds. University of Pittsburgh Press, 2014.
- Klima. Osiris* vol. 26 (2011). James Rodger Fleming and Vladimir Jankovic, eds.
- Globalizing Polar Science: Reconsidering the International Polar and Geophysical Years*. Roger D. Launius, James Rodger Fleming, and David H. DeVorkin, eds. New York: Palgrave, 2010.
- Climate Change and Anthropogenic Greenhouse Warming: A selection of key articles, 1824-1995, with interpretive essays*. National Science Foundation Digital Library, 2008.
- Intimate Universality: Local and Global Themes in the History of Weather and Climate*. James Rodger Fleming, Vladimir Jankovic, and Deborah R. Coen, eds. Science History Publications/USA, 2006.
- The Papers of Guy Stewart Callendar*, digital edition. James Rodger Fleming and Jason Thomas Fleming, ed. Boston: AMS Books, 2007.
- Weathering the Storm: Sverre Pettersen, the D-Day Forecast and the Rise of Modern Meteorology*. Boston: AMS Books, 2001.
- Historical Essays on Meteorology, 1919-1995*. Boston: AMS Books, 1996.
- Science, Technology and the Environment: Multidisciplinary Perspectives*. James Rodger Fleming and Henry A. Gemery, eds. Akron: University of Akron Press, 1994.
- International Bibliography of Meteorology: From the Beginning of Printing to 1889*. 4 vols. In one. James Rodger Fleming and Roy E. Goodman, eds. Upland, Pa.: Diane, 1994.
- Guide to Historical Resources in the Atmospheric Sciences*. Boulder: National Center for Atmospheric Research, 1989. Revised online edition, 1997.

BOOK IN PROGRESS “Breaking through the Clouds: Joanne Simpson and the Tropical Atmosphere.” The MIT Press.

RECENT PEER-REVIEWED ARTICLES

- “Weather and Climate as Shape-Shifting Nouns: Gordian Knots of Understanding and Prevision,” *History of Meteorology* 7 (2015): 1-13.
- “The Checkered Past of Weather and Climate Control and Its Troubling Prospects.” *Klimagerechtigkeit und Klimaethik*, Angela Kallhoff, ed. Vienna: Wiener Reihe, Themen der Philosophie, 2015, 171-180.
- “Climate, Change, History,” *Environment and History* 20 (2014): 577-586.
- “Carbon ‘Die’-Oxide: The personal and the planetary.” *Toxic Airs: Body, Place, Planet in Historical Perspective*, J.R. Fleming and A Johnson, eds. Pittsburgh: University of Pittsburgh Press, 2014, 251-270.
- “Climate Physicians and Surgeons.” *Environmental History* 19 (April 2014): 338-345.

RECENT INVITED LECTURES

AAAS; American Historical Association, Chemical Heritage Foundation; Chinese Meteorological Agency; ECSSR Abu Dhabi; Linda Hall Library; NASA Goddard; Rachel Carson Center; Royal Anthropological Institute, Royal Geographical Society, U.S. House of Representatives; *Universities*: Aarhus, Bergen, Berlin, Bonn; Carnegie Mellon, Colorado State, CRNS Paris, Georgia Tech, Grinnell, Illinois, Kansas, Kiel, McGill, Maine, Manchester, Minnesota, M.I.T., Nottingham, Oregon, Oregon State, Oslo, Penn State, Potsdam, Royal Institute of Technology (Stockholm), Rutgers, UC Santa Cruz, Waikato, Western Ontario, Woods Hole

CURRENT AND RECENT SERVICE

History of Science Society Member of Council; AAAS Chair of Section X on Social Impacts of Science and Engineering, former Chair of Section L, History and Philosophy of Science; National Research Council Committee on Geoengineering; American Geophysical Union History Committee; American Meteorological Society History Committee and historical editor; Intergovernmental Panel on Climate Change contributing author (AR4) and expert reviewer (AR5); Chair of Interdisciplinary Studies (Colby College); Director of the Science, Technology, and Society Program (Colby College); Arts and Humanities Center theme co-director, “Revolutions,” 2016-17 (Colby College)